

ovate, acute at apex ; stamens up to 6 mm long. capsules ovoid.

Specimens examined: CEYLON. C.P. 1878 (MH); s.l., Acc. No. 61396 (MH) ; s. l. Acc. No. 61397

(MH) ; Adam's peak, 1-3-1883, s.l. Acc. No. 61398 (MH). INDIA. KERALA. Trivandrum Dt. : Ponmudi, 25-5-1979, M. Mohanan 63278 (MH) Ponmudi, Feb. 1933 s.l. 3500 (UCT).

BOTANICAL SURVEY OF INDIA,
COIMBATORE,
November 13, 1980.

M. MOHANAN
A. N. HENRY
N. C. NAIR

34. SOME NEW COMBINATIONS UNDER *PRIMULA* L.

While some botanists including Pax and Knuth (Pflanzenreich IV (237) : 172. 1905) and Handel-Mazzetti (Notes R. Bot. Gard. Edinb. 15 : 259. 1927) treated *Androsace* L. as distinct genus many others treated *Androsace* as a synonym of *Primula* L. Recently Bentvelzen (Fl. Males. 'Ser. 1', 6 (2) : 186. 1962) also treated them as congeneric as it is not possible to demarcate them satisfactorily. This taxonomic treatment necessitates the following new combinations.

Primula croftii* (Watt) Derganc var. *scaposa (Sant. & Banerji) Bennet *comb. nov.*

Androsace croftii var. *scaposa* Sant. & Banerji, Proc. Nat. Inst. Sci. India 24(3) : 137. 1958. Nepal.

Primula globifera* (Duby) Bennet *comb. nov.

Androsace globifera Duby in DC. Prodr. 8 : 48. 1844 ; Hook.f., Fl. Brit. Ind. 3 : 500. 1882 ; Pax & Knuth in Pflanzenr. IV (237) : 203. 1905. (non *Primula globifera* Griff., Itin. Notes 148. 1837-8, *nom. nud.*)

Western Himalaya.

Primula hemisphaerica* (Ludlow) Bennet *comb. nov.

Androsace hemisphaerica Ludlow in Bull. Brit. Mus. (nat. Hist.) 2 : 76. 1956.

Bhutan.

Primula hookeriana* (Klatt) Bennet *comb. nov.

Androsace hookeriana Klatt in Linnaea 32 : 293, t. 3. 1863 ; Hooker f. l. c. 499 ; Pax & Knuth l.c. 187.

Eastern Himalaya.

Primula lanuginosa* (Wall.) Bennet *comb. nov.

Androsace lanuginosa Wall. in Roxb. Fl. Ind. 'ed. Carey' 2 : 15. 1824 ; Hooker f. l.c. 498 ; Pax & Knuth l.c. 182.

Western Himalaya.

Primula lehmannii* (Duby) O.Ktze. var. *longipedicellata* (Knuth) Bennet *comb. nov.

Androsace lehmannii Duby var. *longipedicellata* Knuth in pflanzenr. IV (237) : 202. 1905. Nepal.

Primula ludlowiana* (Hand.-Maz.) Bennet *comb. nov.

Androsace ludlowiana Hand.-Maz. in J. Bot. 76 : 283. 1938.

Bhutan.

Primula mucronifolia* (Watt) Derganc var. *uniflora* (Knuth) Bennet *comb. nov.

Androsace mucronifolia Watt var. *uniflora* Knuth in Pflanzenr IV (237) : 188. 1905.

Western Himalaya.

Primula rhizomatosa (Hand.-Maz.) Bennet
comb. nov.

Androsace rhizomatosa Hand.-Maz. in J. Bot.
76 : 281. 1938.

Bhutan.

Primula rhizomatosa var. *major* (Hand.-
Maz.) Bennet *comb. nov.*

Androsace rhizomatosa var. *major* Hand.-
Maz. in J. Bot. 76 : 281. 1938.

Bhutan.

Primula sarmentosa (Wall.) Bennet *comb. nov.*

Androsace sarmentosa Wall. in Roxb. Fl. Ind.
2 : 14. 1824 ; Hooker f., *l.c.* 498 *ex parte* ; Pax
& Knuth *l.c.* 183 ; Handel-Mazzetti in Notes
R. Bot. Gard. Edinb. 15 : 278. 1927.

A. sarmentosa var. *watkinsii* Hooker f. Fl.
Brit. Ind. 3 : 498. 1882 ; Pax & Knuth *l.c.* 183
P.P. (excl. Chinese Plant).

Himalaya.

Primula sessiliflora (Turrill) Bennet *comb. nov.*

Androsace sessiliflora Turrill in Kew Bull.
1922 : 150. 1922.

Mount Everest.

Primula dubyii (Derganc) Bennet *comb. nov.*

Androsace sarmentosa var. *dubyii* Derganc in
Kneucker, Allg. bot. Zeitsch. 10 : 110. 1904.

A. sarmentosa var. *primuloides* (Duby) Hook.
f. in Curtis, Bot. Mag. t. 6210, 1876 & in Fl. Brit.
Ind. 3 : 498. 1882.

A. primuloides Duby in DC. Prodr. 8 : 51.
1844 (non Moench. 1802 ; nec D. Don 1825) ;
Pax & Knuth *l.c.* 183.

A. dubyii (Derganc) Balakrishnan in J.
Bombay nat. Hist. Soc. 67 : 62. 1970.

North-west Himalaya.

FOREST RESEARCH INSTITUTE,
DEHRA DUN,
September 30, 1980.

S. S. R. BENNET

35. *MONOTROPA UNIFLORA* LINN.—A NEW RECORD FOR MUSSOORIE HILLS

Recently, two comprehensive books (Gupta 1967, Raizada & Saxena 1978) have appeared on the flora of Mussoorie which also give details of the earlier plant exploration work in the area. A critical and careful comparison of the plants gathered by me from Mussoorie hills with these publications shows that an interesting flowering plant, *Monotropa uniflora* Linn. (family Monotropaceae) has not been recorded hitherto from this very well explored locality. I collected it on two different occasions, in September 1969 and 1977 from Jabarkhet and Jabarkhud respectively. These localities are approximately 5 km

from the heart of the town. The species was found to be fairly common in a forest below Jabarkhet Toll.

The forest is dominated by broad-leaved, sclerophyllous, species and is free from biotic interference. Common woody species which have been observed in it are *Cornus macrophylla* Wall., *Dendrobenthamia capitata* Hutch., *Ilex dipyrrena* Wall., *Lyonia ovalifolia* Drude, *Quercus incana* Roxb., *Rhododendron arboreum* Sm. and *Viburnum mullaha* D. Don. Shrubby growth is of *Arundinaria falcata* Nees, *Daphne papyracea*